(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 9 September 2005 (09.09.2005)

PCT

(10) International Publication Number WO 2005/082875 A2

(51) International Patent Classification7:

C07D 305/14

(21) International Application Number:

PCT/US2005/005953

- (22) International Filing Date: 24 February 2005 (24.02.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/785,422 10/790,622

WO 2005/082875 A2 ||||||||||||

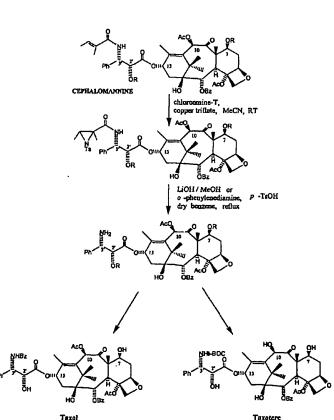
24 February 2004 (24.02.2004) US 1 March 2004 (01.03.2004)

- (71) Applicant (for all designated States except US): PHYTO-GEN LIFE SCIENCES INC. [CA/CA]; 1527 Cliveden Avenue, Delta, British Columbia V3M 6P7 (CA).
- (71) Applicant (for ZW only): PHYTOGEN INC. [US/US]; P.O. Box 1985, 1808 Benson Road, Point Roberts, Washington 98281 (US).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): NAIDU, Ragina [CA/CA]; 3768 Brandon Street, Burnaby, British Columbia V5G 2P2 (CA).
- (74) Agents: HAN, Hai et al.; Seed Intellectual Property Law Group PLLC, Suite 6300, 701 Fifth Avenue, Seattle, Washington 98104-7092 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: SEMI-SYNTHESIS OF TAXANE INTERMEDIATES AND AZIRIDINE ANALOGUES AND THEIR CONVERSION TO PACLITAXEL AND DOCETAXEL



(57) Abstract: A process is provided for the semi-synthesis of taxane intermediates and aziridine analogues of cephalomannne and baccatin III intermediates, and the conversion of such intermediates and analogues to paclitaxel and docetaxel.

WO 2005/082875 A2



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.